

TABLE 21

Federal obligations for research, by agency and performer: FY 2021

(Dollars in thousands)

Agency	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	86,244,258	16,764,449	10,528,758	10,789,591	37,026,681	9,759,755	887,328	487,696
Departments								
Department of Agriculture	2,660,820	1,504,747	0	25,917	1,064,254	48,075	11,703	6,124
Agricultural Marketing Service	6,663	3,629	0	*	2,509	212	250	*
Agricultural Research Service	1,359,363	1,170,307	0	0	171,055	12,095	200	5,705
Animal and Plant Health Inspection Service	21,101	14,802	0	0	6,299	0	0	0
Economic Research Service	85,476	74,920	0	*	8,247	2,263	0	0
Forest Service	233,378	205,962	0	312	16,404	3,997	6,309	395
National Agricultural Statistics Service	5,151	4,600	0	0	223	328	0	0
National Institute of Food and Agriculture	937,440	20,058	0	25,519	858,153	28,881	4,829	0
Natural Resources Conservation Service	12,248	10,469	0	0	1,365	300	115	0
Department of Commerce	1,505,953	1,152,216	19,924	56,506	253,406	20,433	2,347	1,121
Census Bureau	55,936	55,936	0	0	0	0	0	0
National Institute of Standards and Technology	784,412	675,215	19,914	40,586	39,844	7,726	*	1,117
National Oceanic and Atmospheric Administration	658,725	414,185	*	15,920	213,561	12,707	2,338	*
National Telecommunications and Information Administration	6,879	6,879	0	0	0	0	0	0
Department of Defense	9,735,418	2,478,948	1,118,082	3,019,003	2,621,887	404,410	3,051	90,037
Defense Advanced Research Projects Agency	1,845,346	97,258	72,165	926,482	574,361	146,153	300	28,627
Defense Health Agency	132,700	15,674	2,978	18,245	41,793	52,317	0	1,694
Department of the Air Force	2,386,786	649,731	86,377	870,940	706,722	45,703	1,670	25,643
Department of the Army	1,914,094	898,364	49,662	490,510	420,423	45,386	0	9,750
Department of the Navy	1,654,154	553,497	18,702	300,862	688,775	69,973	1,081	21,265
Space Force	98,285	8,643	7,892	75,591	6,160	0	0	0
Other defense agencies	1,704,053	255,781	880,307	336,374	183,653	44,879	0	3,059
Department of Education	262,330	0	0	16,684	139,724	79,803	26,119	0
Department of Energy	10,777,006	872,032	7,099,060	1,206,832	1,390,978	153,726	52,664	1,714
Advanced Research Projects Agency—Energy	157,363	530	17,671	81,691	53,383	4,088	0	0
Electricity Delivery and Energy Reliability	62,134	1,423	44,712	7,201	4,262	4,343	193	0
Energy Efficiency and Renewable Energy	1,394,973	0	620,946	446,084	258,811	44,935	24,196	0
Environmental Management	9,902	*	8,252	0	1,650	0	0	0
Fossil Energy	691,073	421,796	66,775	0	136,369	65,334	0	800

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National Nuclear Security Administration	2,607,781	231,172	2,191,612	173,214	11,784	0	0	0
Defense Programs	2,328,172	230,912	1,934,938	161,182	1,141	0	0	0
Office of Defense Nuclear Nonproliferation	279,609	260	256,673	12,032	10,644	0	0	0
Nuclear Energy	346,454	1,430	266,699	29,905	41,818	5,878	0	725
Office of Cybersecurity, Energy Security, and Emergency Response	1,731	1,531	200	0	0	0	0	0
Office of Science	5,505,595	214,150	3,882,194	468,737	882,901	29,149	28,275	189
Department of Health and Human Services	42,718,237	6,785,099	728,866	2,841,113	24,545,375	6,942,903	569,918	304,964
Administration for Children and Families	4,590	365	0	0	1,800	2,425	0	0
Administration for Community Living	106,908	0	0	4,810	80,767	20,832	500	0
Agency for Healthcare Research and Quality	308,145	46,928	0	130,303	100,709	30,110	95	0
Agency for Toxic Substances and Disease Registry	10,935	0	0	0	6,686	2,500	1,250	500
Centers for Disease Control and Prevention	681,556	99,314	616	167,525	231,097	107,837	42,918	32,249
Centers for Medicare and Medicaid Services	420,703	0	0	11,531	1,160	6,693	401,319	0
Food and Drug Administration	589,144	455,159	0	13,095	71,424	41,688	2,219	5,560
Health Resources and Services Administration	32,920	4,669	0	567	26,620	1,063	0	0
National Institutes of Health	40,545,951	6,175,564	728,250	2,507,997	24,022,712	6,723,154	121,617	266,656
Office of the Secretary of Health and Human Services	17,386	3,100	0	5,286	2,399	6,601	0	0
Office of the Assistant Secretary for Planning and Evaluation	17,386	3,100	0	5,286	2,399	6,601	0	0
Department of Homeland Security	238,163	82,715	19,237	105,450	22,925	4,634	0	3,201
Coast Guard	2,995	0	0	2,984	0	0	0	*
Countering Weapons of Mass Destruction Office	21,291	3,571	2,519	6,415	6,310	0	0	2,475
Cybersecurity and Infrastructure Security Agency	9,032	2,918	2,286	*	0	3,828	0	0
Science and Technology Directorate	203,845	75,226	14,432	96,051	16,614	807	0	716
Transportation Security Administration	1,000	1,000	0	0	0	0	0	0
Department of the Interior	754,199	654,513	408	16,253	56,022	7,056	18,697	1,250
Bureau of Indian Affairs	5,000	0	0	0	0	0	5,000	0

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Bureau of Land Management	9,380	3,964	0	180	3,177	847	1,176	*
Bureau of Ocean Energy Management	62,582	42,563	0	6,939	7,421	2,201	2,691	767
Bureau of Reclamation	18,000	13,478	0	3,152	1,147	0	150	73
Bureau of Safety and Environmental Enforcement	20,448	9,959	408	4,901	4,596	576	0	*
Fish and Wildlife Service	32,650	32,650	0	0	0	0	0	0
Geological Survey	578,917	535,187	0	1,081	29,290	3,313	9,680	366
National Park Service	27,222	16,712	0	0	10,391	119	0	0
Department of Justice	78,964	10,265	0	6,464	33,623	28,203	409	0
Bureau of Prisons	*	*	0	0	0	0	0	0
Federal Bureau of Investigation	3,698	0	0	2,328	1,370	0	0	0
Office of Justice Programs	75,265	10,264	0	4,136	32,253	28,203	409	0
Department of Labor	3,493	2,596	0	897	0	0	0	0
Employee Benefits Security Administration	1,301	404	0	897	0	0	0	0
Occupational Safety and Health Administration	2,192	2,192	0	0	0	0	0	0
Department of State	44,000	44,000	0	0	0	0	0	0
Department of Transportation	822,962	148,650	6,553	276,195	156,857	52,396	179,735	2,578
Federal Aviation Administration	266,866	65,409	3,729	109,064	66,304	20,023	0	2,337
Federal Highway Administration	373,484	53,926	1,654	91,803	71,445	12,162	142,495	0
Federal Motor Carrier Safety Administration	12,344	3,015	975	4,082	4,141	131	0	0
Federal Railroad Administration	35,039	9,178	195	9,303	5,225	10,648	249	241
Federal Transit Administration	42,045	0	0	0	0	5,055	36,990	0
National Highway Traffic Safety Administration	65,559	0	0	58,594	6,549	416	0	0
Office of the Secretary of Transportation	11,714	11,498	0	216	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	15,912	5,624	0	3,134	3,193	3,962	0	0
Department of the Treasury	46,553	2,518	8,600	19,280	200	0	0	15,954
Bureau of Engraving and Printing	46,534	2,500	8,600	19,280	200	0	0	15,954
Mint	*	*	0	0	0	0	0	0
Department of Veterans Affairs	1,561,156	1,561,156	0	0	0	0	0	0
Other agencies								
Administrative Office of the U.S. Courts	4,362	0	4,362	0	0	0	0	0
Agency for Global Media	4,597	0	0	4,597	0	0	0	0

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Agency for International Development	51,211	5,985	0	12,961	2,975	15,840	0	13,450
Appalachian Regional Commission	650	0	0	372	113	164	0	0
Consumer Product Safety Commission	391	241	0	0	150	0	0	0
Environmental Protection Agency	403,334	205,004	109	143,550	40,338	14,333	0	0
Federal Trade Commission	8,094	8,094	0	0	0	0	0	0
Library of Congress	550	550	0	0	0	0	0	0
National Aeronautics and Space Administration	7,127,210	1,071,197	1,200,656	2,471,733	1,149,372	1,206,314	2,756	25,181
National Science Foundation	6,705,056	7,930	298,451	510,094	5,536,101	313,034	19,929	19,517
Nuclear Regulatory Commission	76,714	36,207	24,451	6,694	6,257	689	0	2,416
Patient-Centered Outcomes Research Trust Fund	460,331	0	0	0	0	460,331	0	0
Postal Service	15,435	0	0	15,435	0	0	0	0
Smithsonian Institution	62,500	62,500	0	0	0	0	0	0
Social Security Administration	105,392	67,286	0	28,327	6,124	3,464	0	190
Tennessee Valley Authority	9,179	0	0	5,232	0	3,947	0	0

* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.**Note(s):**

Because of rounding, detail may not add to total. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.